WORKSHEET TO DETERMINE SIZE OF DEAD BIRD COMPOSTER/INCINERATOR

В	=	Nun	nber (of birds	s per c	onfin	ement	cycle	e. (No	.)					
M	=	Anticipated mortality per confinement cycle. (Decimal) (NOTE: Mortality may range from 2% to 25%. Use actual data or refer to Table 3 in Section III of the Waste Utilization and Facility Design Workbook.)													
W _B	=	Weight of birds at maturity. (lbs.) (Ex.: 4.2 lbs. for broilers)													
Т	=	Typical length of confinement cycle. (Days) (Ex.: 42 days for broilers)													
\mathbf{W}_{T}	=	Weight of daily loss for design. (lbs./day)													
			В		x	М		x	W _B		/	Т	=	\mathbf{w}_{T}	
					x			x			/		=_		lbs/day
For s	Singl flock for 3 GE 1 / ₁ =	<u>e-sta</u> <u>life o</u> 0 day L: Volu	ge co ver 7; vs of i	mpost 5 days mortali	er, allo , disre ty. e one l	ow 3.7 gard	75 cf c formu	of com la, de:	nposter sign bii	volur n size	ne pe and r	r lb. we numbei	eight loss		storage volume
Dimensions of Composter Bins: (Single-stage composting bins shall have dimensions of 4' x 4' x 4'. Bins must have 0.5 to 1.0 in spaces between each horizontal board.)															5 to 1.0 inch
		h	=	heigh	t of bir	(4 to	5 ft.)			=			ft.		
		y ₁	=	depth	of bin	(vari	es)			=			ft.		
		y ₂	=	width	(front)	of bi	n (8 to	10 ft	.)	=			ft.		
١	/ _B =	Indi	vidua	l bin vo	olume:								V _B	cf	
N	do o	f hino		V						^_				U	
ľ	1 Ο. Ο	פוווט ו		-				_		=			bins		
	R	ound							b				20		

STAGE 2:

Volume shall equal or exceed V_1 . (Volume should be $2 \times V_1$ in north Alabama for winter storage.) In sizing width of bin(s), consider width of front-end loader.

Number and size of Stage 2 bins: